

21. Give two cases in which a fire blanket might be used: clothing or hair glycerine /  
bottle fire
22. Under what circumstances is the safety shower used? chemical burn (at least 15 minutes).
23. How would a chemical spill into the eyes be treated? eye cup/wash (at least 15 minutes).
24. Cuts from broken glassware are among the most common of lab accidents (BURNS ARE WORSE)
25. Before breaking glass tubing, always etch with a triangular file. After cutting, the jagged ends should be fire polish.
26. Before inserting tubing into a stopper, always lubricate with glycerine H<sub>2</sub>O
27. Describe the proper apparatus for heating glassware: wire gauze + ring secured with clamp/ring.
28. Always dispose of broken glassware in a special labelled container
29. We should be aware that certain chemicals are incompatible when mixed.
30. List THREE general classes of chemicals to be disposed of: solid waste, corrosive liquids and volatile liquids.
31. Strong acids and bases should be neutralized. Use baking soda to neutralize an acid.  
Use Vinegar to neutralize a base. (USUALLY, THE ACIDS AND BASES WE USE IN HIGH SCHOOL LABS ARE DILUTE ENOUGH THAT THEY MAY SIMPLY BE DISPOSED OF DOWN THE SINK WITH LOTS OF WATER RUNNING BEFORE AND AFTER.)
32. Volatile liquids burn very rapidly and usually have very low flashpoints. (THESE LIQUIDS ARE GENERALLY PLACED IN A DISPOSAL IN THE FUMEHOOD IN OUR LAB)
33. Remember, after any lab accident, always inform the instructor.

## Test Ques Key.

1. Proper smelling method. - Wafting vapours with hand.
2. Acid on skin - wash with H<sub>2</sub>O (cold)
3. Long hair - pinned back, no hairspray.
4. Contact Lenses - Eye goggles
5. Fume Hood Functions (2) = <sup>pouring concentrated acids</sup> Heating flammable materials
6. Alcohol burner (2) - wipe off excess alcohol on outside / top secure / fill in well ventilated room
7. Disadv of CO<sub>2</sub> Fire Ex - blows things around
8. Volatile liquid - petroleum ether / acetone / methyl alcohol
9. Disposal of 11. pour in well ventilated room
10. Foremost - Prevention